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OM protein - protein search, using sw model

Run on: November 9, 2002, 07:26:25 ; Search time 36 Seconds
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Title: US-09-895-298A-83
Perfect score: 190
Sequence: 1 MMNFQPPSKAWRASQMMTFF.....HDGSLDLRSRRSVQEGNPRA 190

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size : 4

Total number of hits satisfying chosen parameters: 34763

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	7	3.7	486	4	US-09-291-922-10	Sequence 10, Appl
2	6	3.2	15	4	US-08-602-999A-379	Sequence 379, App
3	6	3.2	15	4	US-09-500-124-379	Sequence 379, App
4	6	3.2	19	4	US-08-928-213B-131	Sequence 131, App
5	6	3.2	46	4	US-08-865-468-7	Sequence 7, Appli
6	6	3.2	53	4	US-09-345-293-4	Sequence 4, Appli
7	6	3.2	87	2	US-08-477-451-45	Sequence 45, Appl
8	6	3.2	132	1	US-08-392-419-4	Sequence 4, Appli
9	6	3.2	143	4	US-09-134-001C-3963	Sequence 3963, Ap
10	6	3.2	145	4	US-09-134-001C-5194	Sequence 5194, Ap
11	6	3.2	146	4	US-08-858-207A-400	Sequence 400, App
12	6	3.2	151	4	US-09-228-986-94	Sequence 94, Appl
13	6	3.2	178	4	US-09-134-001C-4994	Sequence 4994, Ap
14	6	3.2	195	1	US-08-063-552-9	Sequence 9, Appli
15	6	3.2	195	5	PCT-US93-05704-9	Sequence 9, Appli
16	6	3.2	196	4	US-09-345-293-3	Sequence 3, Appli
17	6	3.2	208	2	US-08-531-525-15	Sequence 15, Appl
18	6	3.2	208	2	US-08-718-270A-15	Sequence 15, Appl
19	6	3.2	274	4	US-09-185-501B-15	Sequence 15, Appl
20	6	3.2	288	4	US-09-438-833-9	Sequence 9, Appli
21	6	3.2	301	4	US-09-438-833-10	Sequence 10, Appl
22	6	3.2	303	4	US-09-420-786A-3	Sequence 3, Appli
23	6	3.2	312	2	US-09-031-485-2	Sequence 2, Appli
24	6	3.2	312	2	US-08-847-429A-2	Sequence 2, Appli
25	6	3.2	312	3	US-09-065-474-2	Sequence 2, Appli
26	6	3.2	312	4	US-09-557-034-2	Sequence 2, Appli
27	6	3.2	313	3	US-08-926-842B-62	Sequence 62, Appl
28	6	3.2	314	4	US-09-710-099-4	Sequence 4, Appli
29	6	3.2	314	4	US-09-710-099-12	Sequence 12, Appl
30	6	3.2	317	1	US-07-866-979-6	Sequence 6, Appli
31	6	3.2	317	1	US-08-671-525B-2	Sequence 2, Appli
32	6	3.2	317	1	US-08-672-109B-2	Sequence 2, Appli
33	6	3.2	317	2	US-08-842-045-2	Sequence 2, Appli
34	6	3.2	317	2	US-08-466-906B-6	Sequence 6, Appli
35	6	3.2	317	2	US-08-842-238-2	Sequence 2, Appli
36	6	3.2	317	2	US-08-780-749A-4	Sequence 4, Appli
37	6	3.2	317	3	US-08-706-281A-6	Sequence 6, Appli
38	6	3.2	317	3	US-08-629-335B-2	Sequence 2, Appli
39	6	3.2	317	4	US-09-201-746-6	Sequence 6, Appli
40	6	3.2	317	4	US-09-097-231-6	Sequence 6, Appli
41	6	3.2	317	4	US-08-870-511-4	Sequence 4, Appli
42	6	3.2	317	4	US-08-387-805-2	Sequence 2, Appli
43	6	3.2	327	1	US-08-748-068-2	Sequence 2, Appli
44	6	3.2	330	4	US-09-232-200-51	Sequence 51, Appl
45	6	3.2	330	4	US-09-232-197-51	Sequence 51, Appl

ALIGNMENTS

```
RESULT 1
US-09-291-922-10
; Sequence 10, Application US/09291922
; Patent No. 6383776
; GENERAL INFORMATION:
;  APPLICANT: Allen, Steve
;  APPLICANT: Hitz, Bill
;  APPLICANT: Kinney, Tony
;  APPLICANT: Tingey, Scott
;  TITLE OF INVENTION: Plant Sugar Transport Proteins
;  FILE REFERENCE: BB-1163
;  CURRENT APPLICATION NUMBER: US/09/291,922
;  CURRENT FILING DATE: 1999-04-14
;  EARLIER APPLICATION NUMBER: 60/083,044
;  EARLIER FILING DATE: April 24, 1998
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: Microsoft Office 97
; SEQ ID NO 10
;   LENGTH: 486
;   TYPE: PRT
;   ORGANISM: Glycine max
US-09-291-922-10

  Query Match              3.7%;  Score 7;  DB 4;  Length 486;
  Best Local Similarity   100.0%;  Pred. No. 39;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     148 ANPSSLV 154
           |||||||
Db      41 ANPSSLV 47


RESULT 2
US-08-602-999A-379
; Sequence 379, Application US/08602999A
; Patent No. 6184205
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
```

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;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,999A
;      FILING DATE:  16-FEB-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  379:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-08-602-999A-379

  Query Match             3.2%;  Score 6;  DB 4;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      53 RGLPLF 58
           ||||||
Db       5 RGLPLF 10


RESULT 3
US-09-500-124-379
; Sequence 379, Application US/09500124
; Patent No. 6432920
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/500,124
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/602,999
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  379:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-09-500-124-379

  Query Match             3.2%;  Score 6;  DB 4;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      53 RGLPLF 58
           ||||||
Db       5 RGLPLF 10


RESULT 4
US-08-928-213B-131
; Sequence 131, Application US/08928213B
; Patent No. 6238905
;  GENERAL INFORMATION:
;       APPLICANT: McHenry, Charles S.
;                  Seville, Mark
;                  Cull, Millard G.
;       TITLE OF INVENTION: NOVEL THERMOPHILIC POLYMERASE III
;                           HOLOENZYME
;       NUMBER OF SEQUENCES: 195
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: MEDLEN & CARROLL, LLP
;            STREET: 220 Montgomery Street, Suite 2200
;            CITY: San Francisco
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94104
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/928,213B
;            FILING DATE: 12-Sep-1997
;            CLASSIFICATION: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: MacKnight, Kamrin T.
;            REGISTRATION NUMBER: 38,230
;            REFERENCE/DOCKET NUMBER: ENZYCO-02550
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 415-705-8410
;            TELEFAX: 415-397-8338
;  INFORMATION FOR SEQ ID NO: 131:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 19 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: not relevant
;            TOPOLOGY: not relevant
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-08-928-213B-131

  Query Match             3.2%;  Score 6;  DB 4;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 22;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      56 PLFIHS 61
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          ||||||
Db      1 PLFIHS 6


RESULT 5
US-08-865-468-7
; Sequence 7, Application US/08865468
; Patent No. 6248869
;  GENERAL INFORMATION:
;    APPLICANT:  Dade International Inc.
;    APPLICANT:  Morjana, Nihmat A.
;    APPLICANT:  Puia, Angela M.
;    TITLE OF INVENTION:  TROPONIN I FORMS AND USE OF SAME
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DADE INTERNATIONAL INC.
;      STREET:  1717 Deerfield Road
;      CITY:  Deerfield
;      STATE:  Illinois
;      COUNTRY:  US
;      ZIP:  60015
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/865,468
;      FILING DATE:  29 May 1997
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WINSTON, Lois K.
;      REGISTRATION NUMBER:  39,074
;      REFERENCE/DOCKET NUMBER:  DA-9018
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708) 267-5364
;      TELEFAX:  (708) 267-5376
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  46 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-865-468-7

  Query Match             3.2%;  Score 6;  DB 4;  Length 46;
  Best Local Similarity   100.0%;  Pred. No. 49;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    173 GSLDLR 178
          ||||||
Db     10 GSLDLR 15


RESULT 6
US-09-345-293-4
; Sequence 4, Application US/09345293A
; Patent No. 6380382
; GENERAL INFORMATION:
;  APPLICANT: Khodadoust, Mehron
;  TITLE OF INVENTION: No. 6380382el Gene Encoding a Protein Having Diagnostic,
;  TITLE OF INVENTION: Preventive, Therapeutic, and Other Uses
;  FILE REFERENCE: 10147-12
;  CURRENT APPLICATION NUMBER: US/09/345,293A
;  CURRENT FILING DATE: 1999-06-30
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-345-293-4

  Query Match             3.2%;  Score 6;  DB 4;  Length 53;
  Best Local Similarity   100.0%;  Pred. No. 56;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    150 PSSLVL 155
          ||||||
Db     30 PSSLVL 35


RESULT 7
US-08-477-451-45
; Sequence 45, Application US/08477451
; Patent No. 5928865
;  GENERAL INFORMATION:
;    APPLICANT:  Covacci, Antonello
;    TITLE OF INVENTION:  Helicobacter Pylori Cagi Region
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Chiron Corporation
;      STREET:  4560 Horton Street
;      CITY:  Emeryville
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94608-2916
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/477,451
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McClung, Barbara G.
;      REGISTRATION NUMBER:  33,113
;      REFERENCE/DOCKET NUMBER:  0335.002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  510-601-2708
;      TELEFAX:  510-655-3542
;  INFORMATION FOR SEQ ID NO:  45:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  87 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-477-451-45

  Query Match             3.2%;  Score 6;  DB 2;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 87;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     93 FILTLI 98
          ||||||
Db     42 FILTLI 47


RESULT 8
US-08-392-419-4
; Sequence 4, Application US/08392419
; Patent No. 5624659
;  GENERAL INFORMATION:
;    APPLICANT:  Bigner, Darell D.
;    APPLICANT:  Zalutsky, Michael R.
;    TITLE OF INVENTION:  METHOD OF TREATMENT
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kenneth D. Sibley
;      STREET:  P.O. Drawer 34009
```

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;      CITY:  Charlotte
;      STATE:  No. 5624659th Carolina
;      COUNTRY:  USA
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/392,419
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/033,827
;      FILING DATE:  19-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5405-90
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-420-2200
;      TELEFAX:  919-881-3175
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  132 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-392-419-4

  Query Match             3.2%;  Score 6;  DB 1;  Length 132;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    102 ITYLYW 107
          ||||||
Db     55 ITYLYW 60


RESULT 9
US-09-134-001C-3963
; Sequence 3963, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
;  APPLICANT: Lynn Doucette-Stamm et al
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
;  TITLE OF INVENTION:  EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: GTC-007
;  CURRENT APPLICATION NUMBER: US/09/134,001C
;  CURRENT FILING DATE:  1998-08-13
;  PRIOR APPLICATION NUMBER: US 60/064,964
;  PRIOR FILING DATE: 1997-11-08
;  PRIOR APPLICATION NUMBER: US 60/055,779
;  PRIOR FILING DATE: 1997-08-14
;  NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3963
;   LENGTH: 143
;   TYPE: PRT
;   ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3963

  Query Match             3.2%;  Score 6;  DB 4;  Length 143;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     19 FFIFLL 24
          ||||||
Db     14 FFIFLL 19


RESULT 10
US-09-134-001C-5194
; Sequence 5194, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
;  APPLICANT: Lynn Doucette-Stamm et al
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
;  TITLE OF INVENTION:  EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: GTC-007
;  CURRENT APPLICATION NUMBER: US/09/134,001C
;  CURRENT FILING DATE:  1998-08-13
;  PRIOR APPLICATION NUMBER: US 60/064,964
;  PRIOR FILING DATE: 1997-11-08
;  PRIOR APPLICATION NUMBER: US 60/055,779
;  PRIOR FILING DATE: 1997-08-14
;  NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 5194
;   LENGTH: 145
;   TYPE: PRT
;   ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5194

  Query Match             3.2%;  Score 6;  DB 4;  Length 145;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    149 NPSSLV 154
          ||||||
Db     37 NPSSLV 42


RESULT 11
US-08-858-207A-400
; Sequence 400, Application US/08858207A
; Patent No. 6348328
;  GENERAL INFORMATION:
;    APPLICANT:  Black, Michael
;    APPLICANT:  Hodgson, John
;    APPLICANT:  Knowles, David
;    APPLICANT:  Nicholas, Richard
;    APPLICANT:  Stodola, Robert
;    TITLE OF INVENTION:  No. 6348328el Compounds
;    NUMBER OF SEQUENCES:  552
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SmithKline Beecham Corporation
;      STREET:  709 Swedeland Road
;      CITY:  King of Prussia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19406-0939
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,207A
;      FILING DATE:  09-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/017670
;      FILING DATE:  14-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gimmi, Edward R
;      REGISTRATION NUMBER:  38,891
;      REFERENCE/DOCKET NUMBER:  P50475
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-270-4478
;      TELEFAX:  610-270-5090
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  400:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  146 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
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;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6348328e
US-08-858-207A-400

  Query Match             3.2%;  Score 6;  DB 4;  Length 146;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    173 GSLDLR 178
          ||||||
Db     81 GSLDLR 86


RESULT 12
US-09-228-986-94
; Sequence 94, Application US/09228986
; Patent No. 6359198
; GENERAL INFORMATION:
;  APPLICANT: Strabala, Timothy
;  APPLICANT: Nieuwenhuizen, Niels
;  TITLE OF INVENTION: Compositions Isolated from Plant Cells
;  TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
;  FILE REFERENCE: 11000/1020
;  CURRENT APPLICATION NUMBER: US/09/228,986
;  CURRENT FILING DATE: 1999-01-12
;  NUMBER OF SEQ ID NOS: 130
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 94
;   LENGTH: 151
;   TYPE: PRT
;   ORGANISM: Pinus radiata
US-09-228-986-94

  Query Match             3.2%;  Score 6;  DB 4;  Length 151;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    174 SLDLRS 179
          ||||||
Db    102 SLDLRS 107


RESULT 13
US-09-134-001C-4994
; Sequence 4994, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
;  APPLICANT: Lynn Doucette-Stamm et al
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
;  TITLE OF INVENTION:  EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: GTC-007
;  CURRENT APPLICATION NUMBER: US/09/134,001C
;  CURRENT FILING DATE:  1998-08-13
;  PRIOR APPLICATION NUMBER: US 60/064,964
;  PRIOR FILING DATE: 1997-11-08
;  PRIOR APPLICATION NUMBER: US 60/055,779
;  PRIOR FILING DATE: 1997-08-14
;  NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4994
;   LENGTH: 178
;   TYPE: PRT
;   ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4994

  Query Match             3.2%;  Score 6;  DB 4;  Length 178;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    135 IEKLIK 140
          ||||||
Db    157 IEKLIK 162


RESULT 14
US-08-063-552-9
; Sequence 9, Application US/08063552
; Patent No. 5688936
;  GENERAL INFORMATION:
;    APPLICANT:  Edwards, Robert H
;    TITLE OF INVENTION:  Vesicle Membrane Transport Proteins
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, Ninth Floor
;      CITY:  Pasadena
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/063,552
;      FILING DATE:  19930514
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Farber, Michael B
;      REGISTRATION NUMBER:  32,612
;      REFERENCE/DOCKET NUMBER:  9067-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (818) 796-4000
;      TELEFAX:  (818) 795-6321
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  AMINO ACID
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  Bacillus subtilis plasmid
US-08-063-552-9

  Query Match             3.2%;  Score 6;  DB 1;  Length 195;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    112 GRKIMI 117
          ||||||
Db     69 GRKIMI 74


RESULT 15
PCT-US93-05704-9
; Sequence 9, Application PC/TUS9305704
;  GENERAL INFORMATION:
;    APPLICANT:  Edwards, Robert H
;    TITLE OF INVENTION:  Vesicle Membrane Transport Proteins
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, Ninth Floor
;      CITY:  Pasadena
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91001
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/05704
```

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;      FILING DATE:  19930611
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Farber, Michael B
;      REGISTRATION NUMBER:  32,612
;      REFERENCE/DOCKET NUMBER:  9067-1PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (818) 796-4000
;      TELEFAX:  (818) 795-6321
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  195 amino acids
;      TYPE:  AMINO ACID
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  Bacillus subtilis plasmid
PCT-US93-05704-9

  Query Match             3.2%;  Score 6;  DB 5;  Length 195;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    112 GRKIMI 117
          ||||||
Db     69 GRKIMI 74


RESULT 16
US-09-345-293-3
; Sequence 3, Application US/09345293A
; Patent No. 6380382
; GENERAL INFORMATION:
;  APPLICANT: Khodadoust, Mehron
;  TITLE OF INVENTION: No. 6380382el Gene Encoding a Protein Having Diagnostic,
;  TITLE OF INVENTION: Preventive, Therapeutic, and Other Uses
;  FILE REFERENCE: 10147-12
;  CURRENT APPLICATION NUMBER: US/09/345,293A
;  CURRENT FILING DATE: 1999-06-30
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 196
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-345-293-3

  Query Match             3.2%;  Score 6;  DB 4;  Length 196;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    150 PSSLVL 155
          ||||||
Db     30 PSSLVL 35


RESULT 17
US-08-531-525-15
; Sequence 15, Application US/08531525
; Patent No. 5840683
;  GENERAL INFORMATION:
;    APPLICANT:  Hlavka, Joseph J.
;    APPLICANT:  Pincus, Matthew R.
;    APPLICANT:  No. 5840683le, John F.
;    APPLICANT:  Abajian, Henry B.
;    APPLICANT:  Kende, Andrew S.
;    TITLE OF INVENTION:  Peptides Inhibiting the Oncogenic Action
;    TITLE OF INVENTION:  of P21 Ras
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Greenlee and Winner, P.C.
;      STREET:  5370 Manhattan Circle, Suite 201
;      CITY:  Boulder
;      STATE:  Colorado
;      COUNTRY:  US
;      ZIP:  80303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/531,525
;      FILING DATE:  21-SEP-1995
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferber, Donna M.
;      REGISTRATION NUMBER:  33,878
;      REFERENCE/DOCKET NUMBER:  37-94
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 499-8080
;      TELEFAX:  (303) 499-8089
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-531-525-15

  Query Match             3.2%;  Score 6;  DB 2;  Length 208;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    155 LERREV 160
          ||||||
Db    123 LERREV 128


RESULT 18
US-08-718-270A-15
; Sequence 15, Application US/08718270A
; Patent No. 5910478
;  GENERAL INFORMATION:
;    APPLICANT:  Hlavka, Joseph J.
;    APPLICANT:  Pincus, Matthew R.
;    APPLICANT:  No. 5910478le, John F.
;    APPLICANT:  Abajian, Henry B.
;    APPLICANT:  Kende, Andrew S.
;    TITLE OF INVENTION:  Peptidomimetics Inhibiting
;    TITLE OF INVENTION:  the Oncogenic Action of P21 Ras
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Greenlee, Winner and Sullivan, P.C.
;      STREET:  5370 Manhattan Circle, Suite 201
;      CITY:  Boulder
;      STATE:  Colorado
;      COUNTRY:  US
;      ZIP:  80303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/718,270A
;      FILING DATE:  20-SEP-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/531,525
```

```
;      FILING DATE:  21-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/004,091
;      FILING DATE:  21-SEP-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferber, Donna M.
;      REGISTRATION NUMBER:  33,878
;      REFERENCE/DOCKET NUMBER:  78-95
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 499-8080
;      TELEFAX:  (303) 499-8089
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  208 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-718-270A-15

  Query Match             3.2%;  Score 6;  DB 2;  Length 208;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    155 LERREV 160
          ||||||
Db    123 LERREV 128


RESULT 19
US-09-185-501B-15
; Sequence 15, Application US/09185501B
; Patent No. 6331428
; GENERAL INFORMATION:
;  APPLICANT: KATO, NOBUO
;  TITLE OF INVENTION: HEXULOSE PHOSPHATE ISOMERASE GENE
;  FILE REFERENCE: 0010-0953-0CIP
;  CURRENT APPLICATION NUMBER: US/09/185,501B
;  CURRENT FILING DATE:  1998-11-04
;  PRIOR APPLICATION NUMBER: 09/033,647
;  PRIOR FILING DATE: 1998-03-03
;  PRIOR APPLICATION NUMBER: JP9-233131
;  PRIOR FILING DATE: 1997-08-28
;  PRIOR APPLICATION NUMBER: JP10-194808
;  PRIOR FILING DATE: 1997-07-09
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
;   LENGTH: 274
;   TYPE: PRT
;   ORGANISM: Mycobacterium gastri
US-09-185-501B-15

  Query Match             3.2%;  Score 6;  DB 4;  Length 274;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    150 PSSLVL 155
          ||||||
Db     31 PSSLVL 36


RESULT 20
US-09-438-833-9
; Sequence 9, Application US/09438833
; Patent No. 6436654
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia & Upjohn
;  TITLE OF INVENTION: Protein variants
;  FILE REFERENCE: 1848
;  CURRENT APPLICATION NUMBER: US/09/438,833
;  CURRENT FILING DATE: 1999-11-12
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 288
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Subdomain
;   OTHER INFORMATION: 526-813 of human HIF-1 alpha
US-09-438-833-9

  Query Match             3.2%;  Score 6;  DB 4;  Length 288;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    170 EHDGSL 175
          ||||||
Db    198 EHDGSL 203


RESULT 21
US-09-438-833-10
; Sequence 10, Application US/09438833
; Patent No. 6436654
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia & Upjohn
;  TITLE OF INVENTION: Protein variants
;  FILE REFERENCE: 1848
;  CURRENT APPLICATION NUMBER: US/09/438,833
;  CURRENT FILING DATE: 1999-11-12
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 301
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Subdomain
;   OTHER INFORMATION: 526-826 of human HIF-1 alpha
US-09-438-833-10

  Query Match             3.2%;  Score 6;  DB 4;  Length 301;
  Best Local Similarity   100.0%;  Pred. No. 2.7e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    170 EHDGSL 175
          ||||||
Db    198 EHDGSL 203


RESULT 22
US-09-420-786A-3
; Sequence 3, Application US/09420786A
; Patent No. 6410717
; GENERAL INFORMATION:
;  APPLICANT:  FURUSAWA, Iwao
;  APPLICANT:  ISHIKAWA, Masayuki
;  TITLE OF INVENTION:  A GENE ENCODING A HOST FACTOR PROTEIN INDISPENSABLE FOR
;  TITLE OF INVENTION:  MULTIPLICATION OF A PLANT VIRUS
;  FILE REFERENCE:  026350-030
;  CURRENT APPLICATION NUMBER: US/09/420,786A
;  CURRENT FILING DATE:  1999-10-19
;  PRIOR APPLICATION NUMBER:  JP 10-301810
;  PRIOR FILING DATE:  1998-10-23
;  PRIOR APPLICATION NUMBER:  JP 11-232678
;  PRIOR FILING DATE:  1999-08-19
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 303
;   TYPE: PRT
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;   ORGANISM: Arabidopsis thaliana heynh
US-09-420-786A-3

  Query Match             3.2%;  Score 6;  DB 4;  Length 303;
  Best Local Similarity   100.0%;  Pred. No. 2.7e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    150 PSSLVL 155
          ||||||
Db    279 PSSLVL 284


RESULT 23
US-09-031-485-2
; Sequence 2, Application US/09031485
; Patent No. 5824306
;  GENERAL INFORMATION:
;    APPLICANT:  Tang, Liang
;    APPLICANT:  Blehm, E. Scot
;    TITLE OF INVENTION:  DIROFILARIA AND BRUGIA ANKYRIN
;    TITLE OF INVENTION:  PROTEINS, NUCLEIC ACID MOLECULES, AND
;    TITLE OF INVENTION:  USES THEREOF
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Carol Talkington Verser, Ph.D.
;      ADDRESSEE:  Heska Corporation
;      STREET:  1825 Sharp Point Drive
;      CITY:  Fort Collins
;      STATE:  Colorado
;      COUNTRY:  USA
;      ZIP:  80525
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WordPerfect for Windows, Version 7.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/031,485
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/847,429
;      FILING DATE:  24-APR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Verser, Carol Talkington
;      REGISTRATION NUMBER:  37,459
;      REFERENCE/DOCKET NUMBER:  HW-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  970/493-7272
;      TELEFAX:  970/484-9505
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  312 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-031-485-2

  Query Match             3.2%;  Score 6;  DB 2;  Length 312;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     34 CTLAIT 39
          ||||||
Db     72 CTLAIT 77


RESULT 24
US-08-847-429A-2
; Sequence 2, Application US/08847429A
; Patent No. 5827692
;  GENERAL INFORMATION:
;    APPLICANT:  Tang, Liang
;    APPLICANT:  Blehm, E. Scot
;    TITLE OF INVENTION:  DIROFILARIA AND BRUGIA ANKYRIN
;    TITLE OF INVENTION:  PROTEINS, NUCLEIC ACID MOLECULES, AND
;    TITLE OF INVENTION:  USES THEREOF
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Carol Talkington Verser, Ph.D.
;      ADDRESSEE:  Heska Corporation
;      STREET:  1825 Sharp Point Drive
;      CITY:  Fort Collins
;      STATE:  Colorado
;      COUNTRY:  USA
;      ZIP:  80525
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WordPerfect for Windows, Version 7.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/847,429A
;      FILING DATE:  24-APR-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Verser, Carol Talkington
;      REGISTRATION NUMBER:  37,459
;      REFERENCE/DOCKET NUMBER:  HW-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  970/493-7272
;      TELEFAX:  970/484-9505
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  312 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-847-429A-2

  Query Match             3.2%;  Score 6;  DB 2;  Length 312;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     34 CTLAIT 39
          ||||||
Db     72 CTLAIT 77


RESULT 25
US-09-065-474-2
; Sequence 2, Application US/09065474
; Patent No. 6063599
;  GENERAL INFORMATION:
;    APPLICANT:  Tang, Liang
;    APPLICANT:  Blehm, E. Scot
;    TITLE OF INVENTION:  DIROFILARIA AND BRUGIA ANKYRIN
;    TITLE OF INVENTION:  PROTEINS, NUCLEIC ACID MOLECULES, AND
;    TITLE OF INVENTION:  USES THEREOF
;    NUMBER OF SEQUENCES:  171
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Carol Talkington Verser, Ph.D.
;      ADDRESSEE:  Heska Corporation
;      STREET:  1825 Sharp Point Drive
;      CITY:  Fort Collins
;      STATE:  Colorado
;      COUNTRY:  USA
;      ZIP:  80525
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WordPerfect for Windows, Version 7.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/065,474
;      FILING DATE:  24-APR-1998
```

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;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Verser, Carol Talkington
;      REGISTRATION NUMBER:  37,459
;      REFERENCE/DOCKET NUMBER:  HW-5-C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  970/493-7272
;      TELEFAX:  970/484-9505
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  312 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-065-474-2

  Query Match             3.2%;  Score 6;  DB 3;  Length 312;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      34 CTLAIT 39
           ||||||
Db      72 CTLAIT 77


RESULT 26
US-09-557-034-2
; Sequence 2, Application US/09557034
; Patent No. 6365569
;   GENERAL INFORMATION:
;        APPLICANT: Tang, Liang
;                   Blehm, E. Scot
;        TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN
;                            PROTEINS, NUCLEIC ACID MOLECULES, AND
;                            USES THEREOF
;        NUMBER OF SEQUENCES: 171
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Carol Talkington Verser, Ph.D.
;                        Heska Corporation
;             STREET: 1825 Sharp Point Drive
;             CITY: Fort Collins
;             STATE: Colorado
;             COUNTRY: USA
;             ZIP: 80525
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: Windows 95
;             SOFTWARE: WordPerfect for Windows, Version 7.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/557,034
;             FILING DATE: 21-Apr-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/065,474
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Verser, Carol Talkington
;             REGISTRATION NUMBER: 37,459
;             REFERENCE/DOCKET NUMBER: HW-5-C1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 970/493-7272
;             TELEFAX: 970/484-9505
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 312 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-557-034-2

  Query Match             3.2%;  Score 6;  DB 4;  Length 312;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      34 CTLAIT 39
           ||||||
Db      72 CTLAIT 77


RESULT 27
US-08-926-842B-62
; Sequence 62, Application US/08926842B
; Patent No. 6030807
;  GENERAL INFORMATION:
;    APPLICANT:  Sa-No. 6030807ueira, Isabel
;    APPLICANT:  de Lencastre, Herminia
;    TITLE OF INVENTION:  HIGHLY REGULABLE PROMOTER FOR HETEROLOGOUS GENE
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klauber & Jackson
;      STREET:  411 Hackensack Avenue
;      CITY:  Hackensack
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/926,842B
;      FILING DATE:  10-SEP-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackson Esq., David A.
;      REGISTRATION NUMBER:  26,742
;      REFERENCE/DOCKET NUMBER:  600-1-089 N
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201 487-5800
;      TELEFAX:  201 343-1684
;      TELEX:  133521
;  INFORMATION FOR SEQ ID NO:  62:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  313 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    ORIGINAL SOURCE:
;      ORGANISM:  Bacillus subtilis
;    FEATURE:
;      OTHER INFORMATION:  /product= "araP"
US-08-926-842B-62

  Query Match             3.2%;  Score 6;  DB 3;  Length 313;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      96 TLIVLI 101
           ||||||
Db      97 TLIVLI 102


RESULT 28
US-09-710-099-4
; Sequence 4, Application US/09710099
; Patent No. 6441154
; GENERAL INFORMATION:
;  APPLICANT: Donoho, Gregory
;  APPLICANT:  Hilbun, Erin
;  APPLICANT:  Turner, C. Alexander Jr.
;  APPLICANT:  Nehls, Michael
;  APPLICANT:  Friedrich, Glenn
```

```
;  APPLICANT:  Zambrowicz, Brian
;  APPLICANT:  Sands, Arthur T.
;  TITLE OF INVENTION: No. 6441154el Human Proteases and
;  TITLE OF INVENTION:  Polynucleotides Encoding the Same
;  FILE REFERENCE: LEX-0086-USA
;  CURRENT APPLICATION NUMBER: US/09/710,099
;  CURRENT FILING DATE:  2000-11-10
;  PRIOR APPLICATION NUMBER: US 60/165,260
;  PRIOR FILING DATE: 1999-11-12
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 314
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-710-099-4

  Query Match             3.2%;  Score 6;  DB 4;  Length 314;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      62 IYSWID 67
           ||||||
Db     145 IYSWID 150


RESULT 29
US-09-710-099-12
; Sequence 12, Application US/09710099
; Patent No. 6441154
; GENERAL INFORMATION:
;  APPLICANT: Donoho, Gregory
;  APPLICANT:  Hilbun, Erin
;  APPLICANT:  Turner, C. Alexander Jr.
;  APPLICANT:  Nehls, Michael
;  APPLICANT:  Friedrich, Glenn
;  APPLICANT:  Zambrowicz, Brian
;  APPLICANT:  Sands, Arthur T.
;  TITLE OF INVENTION: No. 6441154el Human Proteases and
;  TITLE OF INVENTION:  Polynucleotides Encoding the Same
;  FILE REFERENCE: LEX-0086-USA
;  CURRENT APPLICATION NUMBER: US/09/710,099
;  CURRENT FILING DATE:  2000-11-10
;  PRIOR APPLICATION NUMBER: US 60/165,260
;  PRIOR FILING DATE: 1999-11-12
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 314
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-710-099-12

  Query Match             3.2%;  Score 6;  DB 4;  Length 314;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      62 IYSWID 67
           ||||||
Db     145 IYSWID 150


RESULT 30
US-07-866-979-6
; Sequence 6, Application US/07866979
; Patent No. 5532347
;  GENERAL INFORMATION:
;    APPLICANT:  Cone, Roger D
;    APPLICANT:  Mountjoy, Kathleen G
;    TITLE OF INVENTION:  Melanocyte Stimulating Hormone Receptor
;    TITLE OF INVENTION:  and Uses
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Allegretti & Witcoff, Ltd.
;      STREET:  10 South Wacker Drive, Suite 3000
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/866,979
;      FILING DATE:  19920410
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5532347nan, Kevin E
;      REGISTRATION NUMBER:  35,303
;      REFERENCE/DOCKET NUMBER:  92,154
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-715-1000
;      TELEFAX:  312-715-1234
;      TELEX:  910-221-5317
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  AMINO ACID
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-07-866-979-6

  Query Match             3.2%;  Score 6;  DB 1;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 31
US-08-671-525B-2
; Sequence 2, Application US/08671525B
; Patent No. 5703220
;  GENERAL INFORMATION:
;    APPLICANT:  Yamada, Tadataka
;    APPLICANT:  Gantz, Ira
;    TITLE OF INVENTION:  Genes Encoding Melanocortin Receptors
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harness, Dickey & Pierce, P.L.C.
;      STREET:  P.O. Box 828
;      CITY:  Bloomfield Hills
;      STATE:  MI
;      COUNTRY:  US
;      ZIP:  48303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/671,525B
;      FILING DATE:  June 27, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, DeAnn F.
;      REGISTRATION NUMBER:  36683
;      REFERENCE/DOCKET NUMBER:  2115-000853DVB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810)641-1600
;      TELEFAX:  (810)641-0270
;  INFORMATION FOR SEQ ID NO:  2:
```

```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-671-525B-2

  Query Match             3.2%;  Score 6;  DB 1;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 32
US-08-672-109B-2
; Sequence 2, Application US/08672109B
; Patent No. 5710265
;  GENERAL INFORMATION:
;    APPLICANT:  Yamada, Tadataka
;    APPLICANT:  Gantz, Ira
;    TITLE OF INVENTION:  Genes Encoding Melanocortin Receptors
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harness, Dickey & Pierce, P.L.C.
;      STREET:  P.O. Box 828
;      CITY:  Bloomfield Hills
;      STATE:  MI
;      COUNTRY:  US
;      ZIP:  48303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/672,109B
;      FILING DATE:  June 27, 1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, DeAnn F.
;      REGISTRATION NUMBER:  36683
;      REFERENCE/DOCKET NUMBER:  2115-000853DVC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810)641-1600
;      TELEFAX:  (810)641-0270
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-672-109B-2

  Query Match             3.2%;  Score 6;  DB 1;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 33
US-08-842-045-2
; Sequence 2, Application US/08842045
; Patent No. 5817787
;  GENERAL INFORMATION:
;    APPLICANT:  Yamada, Tadataka
;    APPLICANT:  Gantz, Ira
;    TITLE OF INVENTION:  Genes Encoding Melanocortin Receptors
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harness, Dickey & Pierce, P.L.C.
;      STREET:  P.O. Box 828
;      CITY:  Bloomfield Hills
;      STATE:  MI
;      COUNTRY:  US
;      ZIP:  48303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/842,045
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, DeAnn F.
;      REGISTRATION NUMBER:  36683
;      REFERENCE/DOCKET NUMBER:  2115-000853DVE
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810)641-1600
;      TELEFAX:  (810)641-0270
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-842-045-2

  Query Match             3.2%;  Score 6;  DB 2;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 34
US-08-466-906B-6
; Sequence 6, Application US/08466906B
; Patent No. 5849871
;  GENERAL INFORMATION:
;    APPLICANT:  Cone, Roger D
;    APPLICANT:  Mountjoy, Kathleen G
;    TITLE OF INVENTION:  Melanocyte Stimulating Hormone Receptor
;    TITLE OF INVENTION:  and Uses
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McDonnell Boehnen Hulbert & Berghoff
;      STREET:  300 South Wacker Drive
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/466,906B
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5849871nan, Kevin E
;      REGISTRATION NUMBER:  35,303
;      REFERENCE/DOCKET NUMBER:  92,154-H
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-913-0001
```

```
;      TELEFAX:  312-913-0002
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-466-906B-6

  Query Match             3.2%;  Score 6;  DB 2;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 35
US-08-842-238-2
; Sequence 2, Application US/08842238
; Patent No. 5869257
;  GENERAL INFORMATION:
;    APPLICANT:  Yamada, Tadataka
;    APPLICANT:  Gantz, Ira
;    TITLE OF INVENTION:  Genes Encoding Melanocortin Receptors
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harness, Dickey & Pierce, P.L.C.
;      STREET:  P.O. Box 828
;      CITY:  Bloomfield Hills
;      STATE:  MI
;      COUNTRY:  US
;      ZIP:  48303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/842,238
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, DeAnn F.
;      REGISTRATION NUMBER:  36683
;      REFERENCE/DOCKET NUMBER:  2115-000853DVD
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810)641-1600
;      TELEFAX:  (810)641-0270
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-842-238-2

  Query Match             3.2%;  Score 6;  DB 2;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 36
US-08-780-749A-4
; Sequence 4, Application US/08780749A
; Patent No. 5932779
;  GENERAL INFORMATION:
;    APPLICANT:  Lee, Frank
;    APPLICANT:  Huszar, Dennis
;    APPLICANT:  Gu, Wei
;    TITLE OF INVENTION:  SCREENING METHODS FOR COMPOUNDS
;    TITLE OF INVENTION:  USEFUL IN THE REGULATION OF BODY WEIGHT
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036/2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/780,749A
;      FILING DATE:  08-JAN-1997
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Laura A. Coruzzi
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  7853-064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-08-780-749A-4

  Query Match             3.2%;  Score 6;  DB 2;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 37
US-08-706-281A-6
; Sequence 6, Application US/08706281A
; Patent No. 6100048
;  GENERAL INFORMATION:
;    APPLICANT:  Cone, Roger D
;    APPLICANT:  Fan, Wei
;    APPLICANT:  Boston, Bruce A
;    APPLICANT:  Kesterton, Robert A
;    APPLICANT:  Lu, Dongsi
;    APPLICANT:  Chen, Wenbiao
;    TITLE OF INVENTION:  Methods and Reagents for Discovering and
;    TITLE OF INVENTION:  Using Mammalian Melanocortin Receptor Agonists and Antagoni
;    TITLE OF INVENTION:  To Modulate Feeding Behavior in Animals
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McDonnell Boehnen Hulbert & Berghoff
;      STREET:  300 South Wacker Drive
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/706,281A
;       FILING DATE:  04-SEP-1996
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  No. 6100048nan, Kevin E
;       REGISTRATION NUMBER:  35,303
;       REFERENCE/DOCKET NUMBER:  96,886
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  312-913-0001
;       TELEFAX:  312-913-0002
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;      LENGTH: 317 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-706-281A-6

  Query Match             3.2%;  Score 6;  DB 3;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 38
US-08-629-335B-2
; Sequence 2, Application US/08629335B
; Patent No. 6117975
;  GENERAL INFORMATION:
;    APPLICANT:  Yamada, Tadataka
;    APPLICANT:  Gantz, Ira
;    TITLE OF INVENTION:  Genes Encoding Melanocortin Receptors
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harness, Dickey & Pierce, P.L.C.
;      STREET:  P.O. Box 828
;      CITY:  Bloomfield Hills
;      STATE:  MI
;      COUNTRY:  US
;      ZIP:  48303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/629,335B
;      FILING DATE:  July 23, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, DeAnn F.
;      REGISTRATION NUMBER:  36683
;      REFERENCE/DOCKET NUMBER:  2115-000853DVA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810)641-1600
;      TELEFAX:  (810)641-0270
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-629-335B-2

  Query Match             3.2%;  Score 6;  DB 3;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 39
US-09-201-746-6
; Sequence 6, Application US/09201746
; Patent No. 6268221
;  GENERAL INFORMATION:
;    APPLICANT:  Cone, Roger D
;    APPLICANT:  Mountjoy, Kathleen G
;    TITLE OF INVENTION:  Melanocyte Stimulating Hormone Receptor
;    TITLE OF INVENTION:  and Uses
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McDonnell Boehnen Hulbert & Berghoff
;      STREET:  300 South Wacker Drive
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/201,746
;      FILING DATE:  01-DEC-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6268221nan, Kevin E
;      REGISTRATION NUMBER:  35,303
;      REFERENCE/DOCKET NUMBER:  92,154-J
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-913-0001
;      TELEFAX:  312-913-0002
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-201-746-6

  Query Match             3.2%;  Score 6;  DB 4;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
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Db     261 LTLIVL 266


RESULT 40
US-09-097-231-6
; Sequence 6, Application US/09097231
; Patent No. 6278038
;  GENERAL INFORMATION:
;       APPLICANT: Cone, Roger D
;                  Chen, Wenbiao
;                  Low, Malcolm J
;       TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses
;       NUMBER OF SEQUENCES: 22
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
;            STREET: 300 South Wacker Drive
;            CITY: Chicago
;            STATE: Illinois
```

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;             COUNTRY: USA
;             ZIP: 60606
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/097,231
;             FILING DATE: 12-Jun-1998
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: No. 6278038nan, Kevin E
;             REGISTRATION NUMBER: 35,303
;             REFERENCE/DOCKET NUMBER: 96,886-C
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 312-913-0001
;             TELEFAX: 312-913-0002
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 317 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-097-231-6

  Query Match             3.2%;  Score 6;  DB 4;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
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Db     261 LTLIVL 266


RESULT 41
US-08-870-511-4
; Sequence 4, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
;  APPLICANT: Lee, Frank
;  APPLICANT: Huszar, Dennis
;  APPLICANT: Gu, Wei
;  TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
;  TITLE OF INVENTION: REGULATION OF BODY WEIGHT
;  FILE REFERENCE: 7853-083
;  CURRENT APPLICATION NUMBER: US/08/870,511
;  CURRENT FILING DATE: 1997-06-06
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 317
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-08-870-511-4

  Query Match             3.2%;  Score 6;  DB 4;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
           ||||||
Db     261 LTLIVL 266


RESULT 42
US-08-387-805-2
; Sequence 2, Application US/08387805
; Patent No. 6448032
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Human Melanocyte stimulating hormone receptor
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
;      STREET:  1100 New York Ave., N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/387,805
;      FILING DATE:  21-FEB-95
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/DK93/00273
;      FILING DATE:  20-AUG-93
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 1046/92
;      FILING DATE:  21-AUG-92
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 1118/92
;      FILING DATE:  10-SEP-92
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0528/93
;      FILING DATE:  05-MAY-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cimbala, Michele A.
;      REGISTRATION NUMBER:  33,851
;      REFERENCE/DOCKET NUMBER:  1102.0160000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)371-2600
;      TELEFAX:  (202) 371-2540
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  317 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  polypeptide
US-08-387-805-2

  Query Match             3.2%;  Score 6;  DB 4;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      95 LTLIVL 100
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Db     261 LTLIVL 266


RESULT 43
US-08-748-068-2
; Sequence 2, Application US/08748068
; Patent No. 5770410
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Chiral Synthesis
;    NUMBER OF SEQUENCES:  15
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/748,068
;      FILING DATE:  12-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/256,959
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;      FILING DATE:  05-OCT-1994
;      APPLICATION NUMBER:  GB 92 02033.8
;      FILING DATE:  30-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 92 04702.6
;      FILING DATE:  04-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 93/00204
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  327 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (16^17)
;      OTHER INFORMATION:  /note= "-- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
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;      OTHER INFORMATION:  /note= "- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (40^41)
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;      LOCATION:  (81^82)
;      OTHER INFORMATION:  /note= "- numbering discontinuity"
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;      NAME/KEY:  Modified-site
;      LOCATION:  (85^86)
;      OTHER INFORMATION:  /note= "- numbering discontinuity"
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;      NAME/KEY:  Modified-site
;      LOCATION:  (95^96)
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;      LOCATION:  (127^128)
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;      LOCATION:  (150^151)
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;      OTHER INFORMATION:  discontinuity"
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;      LOCATION:  (247^248)
;      OTHER INFORMATION:  /note= "- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (259^260)
;      OTHER INFORMATION:  /note= "-- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (262^263)
;      OTHER INFORMATION:  /note= "-- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (275^276)
;      OTHER INFORMATION:  /note= "---- numbering
;      OTHER INFORMATION:  discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (298^299)
;      OTHER INFORMATION:  /note= "- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (308^309)
;      OTHER INFORMATION:  /note= "- numbering discontinuity"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  (326^327)
;      OTHER INFORMATION:  /note= "- numbering discontinuity"
US-08-748-068-2

  Query Match             3.2%;  Score 6;  DB 1;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+02;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     134 LIEKLI 139
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Db       7 LIEKLI 12


RESULT 44
US-09-232-200-51
; Sequence 51, Application US/09232200A
; Patent No. 6288213
; GENERAL INFORMATION:
;  APPLICANT: Stahl, Andreas
;  APPLICANT: Hirsch, David J.
;  APPLICANT: Lodish, Harvey F.
;  APPLICANT: Gimeno, Ruth E.
;  APPLICANT: Tartaglia, Louis A.
;  TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
;  FILE REFERENCE: WHI97-21p3MB
;  CURRENT APPLICATION NUMBER: US/09/232,200A
;  CURRENT FILING DATE: 1999-01-14
;  EARLIER APPLICATION NUMBER: 60/071,374
;  EARLIER FILING DATE: 1998-01-15
;  EARLIER APPLICATION NUMBER: 60/093,491
;  EARLIER FILING DATE: 1998-07-20
;  EARLIER APPLICATION NUMBER: 60/110,941
;  EARLIER FILING DATE: 1998-12-04
;  NUMBER OF SEQ ID NOS: 105
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 51
;   LENGTH: 330
;   TYPE: PRT
;   ORGANISM: Homo sapiens
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US-09-232-200-51

Query Match 3.2%; Score 6; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 QPPSKA 10
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Db 32 QPPSKA 37

RESULT 45
US-09-232-197-51
; Sequence 51, Application US/09232197A
; Patent No. 6300096
; GENERAL INFORMATION:
; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Gimeno, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WHI97-21p3MA
; CURRENT APPLICATION NUMBER: US/09/232,197A
; CURRENT FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
; EARLIER FILING DATE: 1998-01-15
; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
; EARLIER APPLICATION NUMBER: 60/110,941
; EARLIER FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 51
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-232-197-51

Query Match 3.2%; Score 6; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 QPPSKA 10
||||||
Db 32 QPPSKA 37

Search completed: November 9, 2002, 07:32:15
Job time : 38 secs